

U.S. Department  
of Transportation

United States  
Coast Guard



Commander  
United States Coast Guard  
Atlantic Area

431 Crawford Street  
Portsmouth, Va. 23704-5004  
Staff Symbol: (Aowb)  
Phone: (757) 398-6629  
FAX: (757) 398-6334

16591  
April 25, 2002

Mr. Harry A. Capers, Jr. P.E.  
Manager, Structural Engineering  
New Jersey Department of Transportation  
PO Box 600  
Trenton, NJ 08625-0600

Dear Mr. Capers:

Enclosed is Coast Guard Bridge Permit 04-02-5 dated 19 April 2002, approving construction of new Route 9 Bridge across Bass River, at New Gretna, in Bass River Township, Burlington County, New Jersey.

You must notify us 45 days in advance of construction, and of any work or structures placed in the water, which may be an obstruction to navigation so we can publish the information in our Local Notice to Mariners. Please advise us of the location and type of construction plant that will be used in this activity. Construction plans showing this information as well as the sequence of operations should be provided to us at the time of the 45-day advance notification.

Enclosure (2) outlines temporary marking and lighting requirements for barges and structures not part of the bridge that will be used during construction.

If you should have any questions regarding this matter, please call Mr. Waverly Gregory at (757) 398-6629.

Sincerely,

ANN B. DEATON  
Chief, Bridge Administration Section  
By direction of the Commander  
Fifth Coast Guard District

Enclosures: (1) Bridge Permit (04-02-5) dated 19 April 2002  
(2) USCG Temporary Marking & Lighting

Copy: John Walters, (Aoww)  
MSO Philadelphia, Waterways Management

2002 00649  
**RECEIVED**

APR 30 2002

STRUCTURAL ENGINEERING  
DEPARTMENT OF TRANSPORTATION  
TRENTON, NJ 08625



## BRIDGE PERMIT

APR 18 2002

(04-02-5)

**WHEREAS** by Title V of an act of Congress approved August 2, 1946, entitled "General Bridge Act of 1946," as amended (33 U.S.C. 525-533), the consent of Congress was granted for the construction, maintenance and operation of bridges and approaches thereto over the navigable waters of the United States;

**AND WHEREAS** the Secretary of Transportation has delegated the authority of Section 502(b) of that act to the Commandant, U.S. Coast Guard by Section 1.46(c) of Title 49 Code of Federal Regulations;

**AND WHEREAS** before construction is commenced; the Commandant must approve the location and plans of any such bridge and may impose any specific conditions relating to the construction, maintenance and operation of the structure deemed necessary in the interest of public navigation, such conditions to have the force of law;

**AND WHEREAS** the Commandant of the Coast Guard has further delegated to the District Commanders by Section 1.01-60(b) of Title 33 Code of Federal Regulations authority to issue permits for the construction, reconstruction, or alteration of bridges across navigable waters of the United States;

**AND WHEREAS** the **STATE OF NEW JERSEY** - has submitted for approval the location and plans of the Route 9 Bridge to be constructed across Bass River, at mile 2.6 in Bass River Township, Burlington County, New Jersey;

**NOW THEREFORE**, This is to certify that the location and plan sheets 1 to 5 (of 5) dated May 2001 and plan sheet 5a (of 5) dated August 2001, are hereby approved by the Commander, Fifth Coast Guard District, subject to the following conditions:

1. No deviation from the approved plans may be made either before or after completion of the structure unless the modification of said plans have previously been submitted to and received the approval of the Commander, Fifth Coast Guard District.

2. The construction of falsework, cofferdams or other obstructions, if required, shall be in accordance with plans submitted to and approved by the Commander, Fifth Coast Guard District, prior to construction of the bridge. All work shall be so conducted that the free navigation of the waterway is not unreasonably interfered with and the present navigable depths are not impaired. Timely notice of any and all events that

(04-02-5)  
APR 18 2002

may affect navigation shall be given to the District Commander during construction of the bridge. The channels through the structure shall be promptly cleared of all obstructions placed therein or caused by the construction of the bridge to the satisfaction of the District Commander, when in the judgment of the District Commander the construction work has reached a point where such action should be taken, but in no case later than 90 days after the bridge has been opened to traffic.

3. The permittee shall coordinate the methods and schedule of construction of this proposed bridge project with the U.S. Department of Commerce, National Marine Fisheries Service for the purpose of avoiding adverse impacts for migrating fish species, minimizing the impacts to anadromous fish and eliminating the use of creosote treated, timber fenders.

4. The fender system shall be constructed and maintained as shown on the approved plan sheet 5a (of 5) dated August 2001 for the safety of navigation.

5. Issuance of this permit does not relieve the permittee of the obligation or responsibility for compliance with the provisions of any other law or regulation as may be under the jurisdiction of the U. S. Army Corps of Engineers, Philadelphia District; State of New Jersey or any other federal, state or local authority having cognizance of any aspect of the location, construction or maintenance of said bridge.

6. Clearance gauges shall be installed and maintained in a good and legible condition by and at the expense of the owner of the modified bridge when so required by the District Commander. The type of gauges and the locations in which they are to be installed will be submitted to the District Commander for approval.

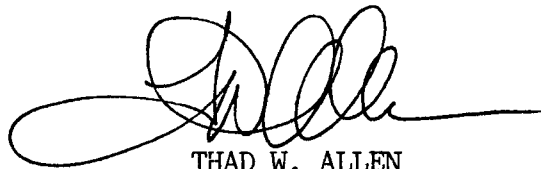
7. All parts of the existing to be replaced Route 9 Bridge and fender system across Bass River, at mile 2.6, not utilized in the new bridge shall be removed down to or below the natural bottom of the waterway, except that existing bridge piers shall be removed to a minimum of five feet below the natural bottom within the navigational channel. The waterway shall be cleared to the satisfaction of the District Commander. A period of 90 days subsequent to the opening of traffic of the new bridge, at mile 2.6, will be allowed for such removal and clearance.

8. When the bridge is no longer used for transportation purposes, it shall be removed down to or below the natural bottom of the waterway or an elevation deemed appropriate by the District Commander and the waterway cleared to the satisfaction of the District Commander. Such removal and clearance shall be completed by and at the expense of the owner of the bridge upon due notice from the District Commander.

**Route 9 Bridge across Bass River, in Bass River Township,  
Burlington County, New Jersey**

BRIDGE PERMIT  
(04-02-5)  
APR 18 2002

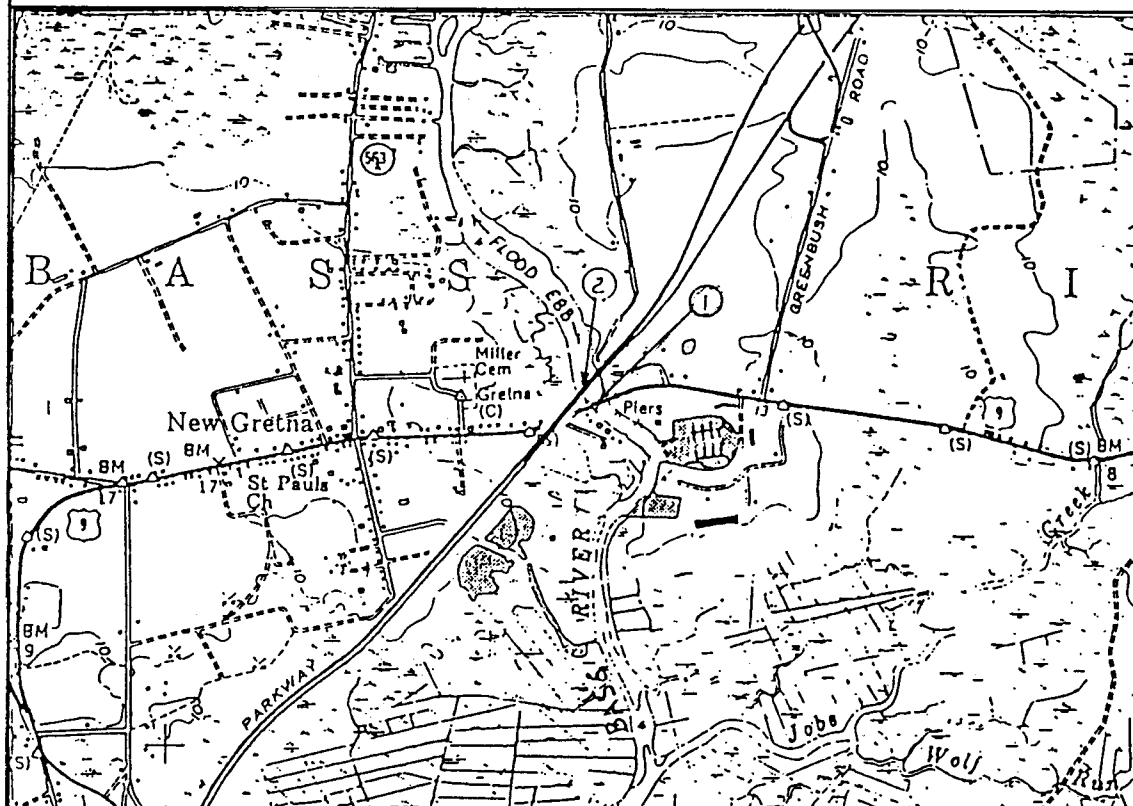
9. The approval hereby granted shall cease and be null and void unless construction of the bridge is commenced within three years and completed within five years after the date of this permit.

A handwritten signature in black ink, appearing to read 'Thad W. Allen', with a long horizontal line extending to the right.

THAD W. ALLEN

Vice Admiral, U. S. Coast Guard

Commander, Fifth Coast Guard District



① MP 2.6 EXISTING BASCULE BRIDGE (TO BE REPLACED)

ROUTE 9 BRIDGE - BURLINGTON

30' Clear. Horiz.

9' Clear. Vert. (MHW) Span Closed

Unlimited Clear. Vert. Span Open

(Except for Aerial Utility Wires)

② MP 2.7 EXISTING FIXED BRIDGE

GARDEN STATE PARKWAY BRIDGE - BURLINGTON

70' Clear. Horiz.

20' Clear. Vert. (MHW)

VICINITY MAP TAKEN FROM  
USGS 7.5 MINUTE TOPOGRAPHIC  
SERIES, NEW GRETN A QUADRANGLE

LATITUDE: 39° - 35.6'N  
LONGITUDE: 74° - 26.5'W

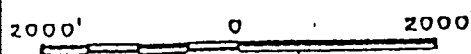


TIDE LEVELS meters (ft)

100 YR. FLOOD:	+2.356	(7.73)
MHHW:	+0.518	(1.70)
MHW:	+0.424	(1.39)
MTL:	-0.052	(-0.17)
NAVD 1988:	0.00	(0.00)
MLW:	-0.527	(-1.73)
MLLW:	-0.570	(-1.87)
BENCH MARK:	NEW GRETN A	

PURPOSE: REPLACE EXISTING  
BASCULE BRIDGE WITH NEW  
WIDER FIXED BRIDGE

VICINITY MAP



STATE OF NEW JERSEY  
DEPARTMENT OF TRANSPORTATION  
1035 PARKWAY AVE. P.O. BOX 600  
TRENTON, N.J. 08625

ROUTE 9 BRIDGE  
OVER BASS RIVER

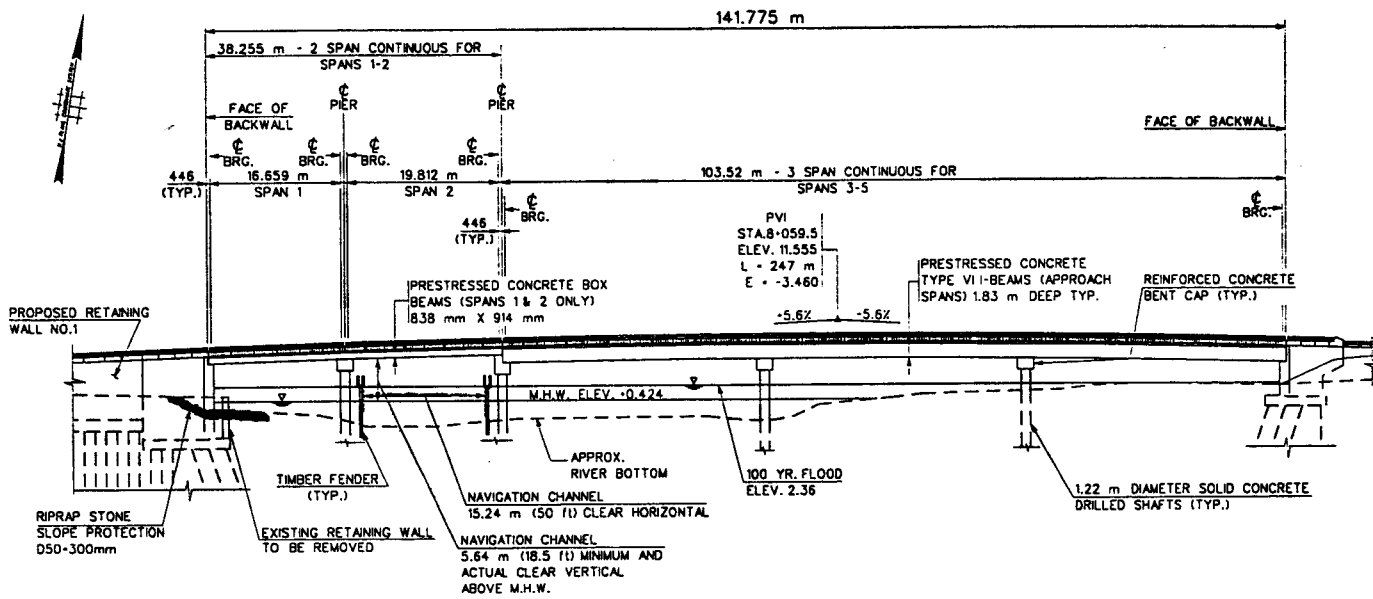
IN: BASS RIVER, MP 2.6  
AT: BASS RIVER TOWNSHIP  
COUNTY: BURLINGTON  
APPLICATION BY: N.J. DOT

DATUM: NAVD 1988

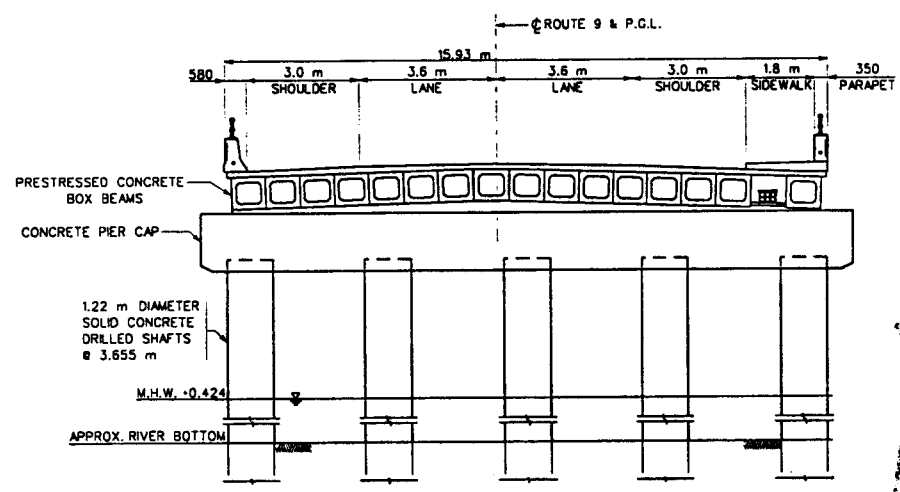
SHEET 1 OF 5 DATE: MAY 2001

File(1)





**ELEVATION**  
SCALE 1:1000



**SECTION AT CHANNEL SPAN**  
SCALE 1:200



ELEVATIONS ARE SHOWN IN METERS

PURPOSE: REPLACE EXISTING BASCULE BRIDGE WITH NEW WIDER FIXED BRIDGE

**PROPOSED BRIDGE  
ELEVATION AND  
TYPICAL SECTION**

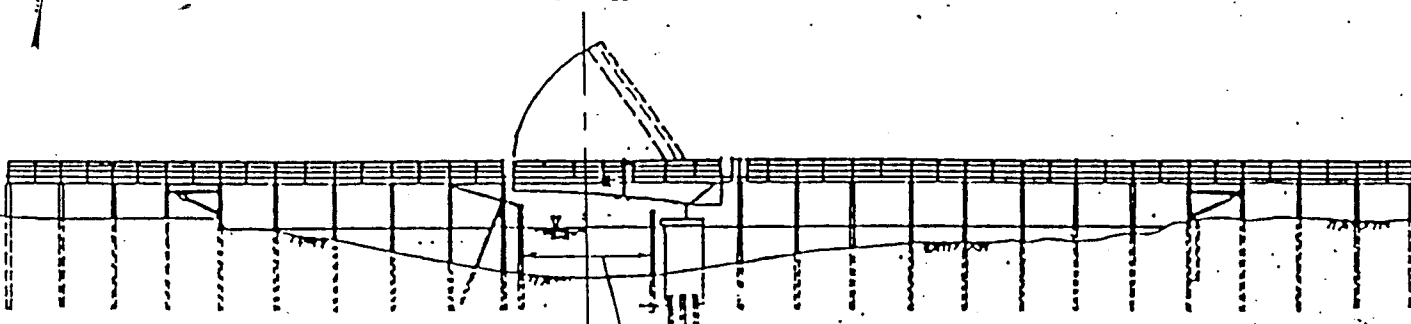
STATE OF NEW JERSEY  
DEPARTMENT OF TRANSPORTATION  
1035 PARKWAY AVE. P.O. BOX 600  
TRENTON, N.J. 08625

ROUTE 9 BRIDGE  
OVER BASS RIVER

IN: BASS RIVER, MP 2.6  
AT: BASS RIVER TOWNSHIP  
COUNTY: BURLINGTON  
APPLICATION BY: N.J. DOT



☒ NAVIGATION  
CHANNEL



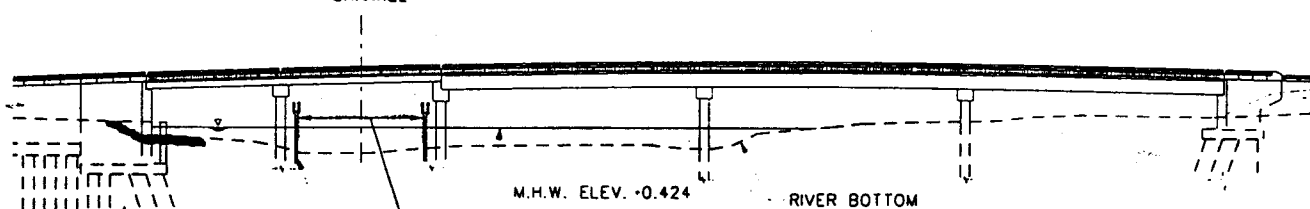
NAVIGATION CHANNEL

HORIZONTAL CLEARANCE 9.1 m (30 ft), MIN VERTICAL  
CLEARANCE ABOVE MHW 2.7 m (9 ft) CLOSED POSITION.  
IN OPEN POSITION CONTROLLED BY AERIAL UTILITY CABLE  
MOUNTED ONTO UTILITY POLES ACROSS BRIDGE.

EXISTING BRIDGE

NTS

☒ NAVIGATION  
CHANNEL



TIMBER FENDER  
(TYP.)

M.H.W. ELEV. -0.424

RIVER BOTTOM

NAVIGATION CHANNEL

HORIZONTAL CLEARANCE 15.2 m (50 ft),  
MIN VERTICAL CLEARANCE ABOVE  
MHW 5.64 m (18.5 ft)



PROPOSED BRIDGE

NTS

ELEVATIONS ARE SHOWN IN METERS

PURPOSE: REPLACE EXISTING  
BASCULE BRIDGE WITH NEW  
WIDER FIXED BRIDGE

NAVIGATION CHANNELS

ROUTE 9 BRIDGE  
OVER BASS RIVER

IN: BASS RIVER, MP 2.6  
AT: BASS RIVER TOWNSHIP  
COUNTY: BURLINGTON  
APPLICATION BY: N.J. DOT

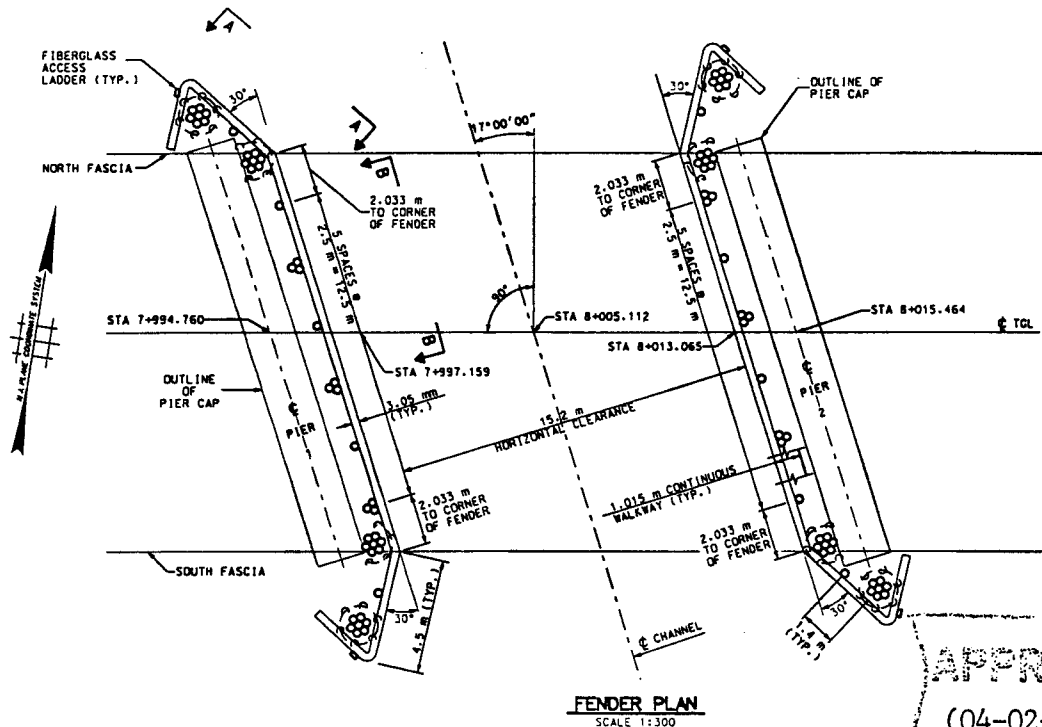
STATE OF NEW JERSEY  
DEPARTMENT OF TRANSPORTATION  
1035 PARKWAY AVE. P.O. BOX 600  
TRENTON, N.J. 08625

SHEET 4 OF 5 DATE: MAY 2001

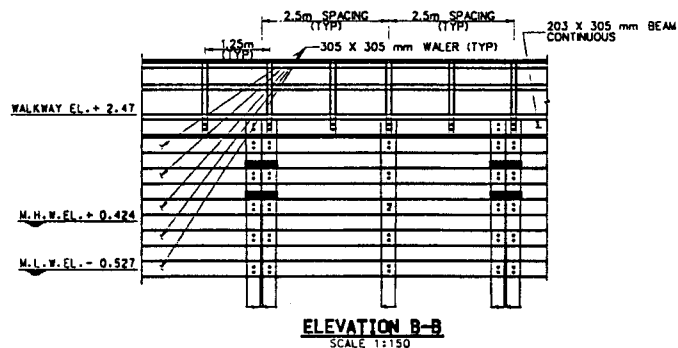
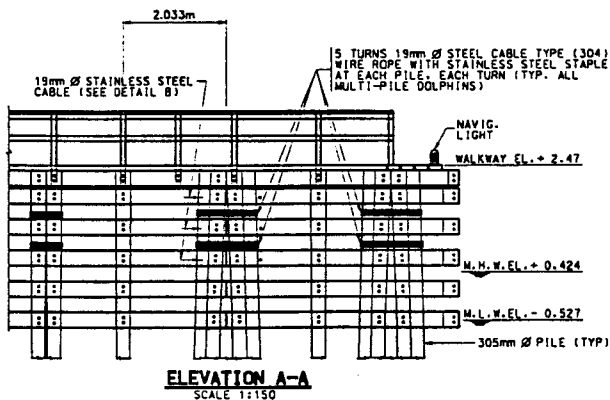
DATUM: NAVD 1988



SHEET 5 OF 5 DATE: MAY 2001



**APPROVED**  
(04-02-5)  
18 APR 2002  
U.S. COAST GUARD



LEGEND: ○ - 305 mm Ø WOODEN PILE

PURPOSE: REPLACE EXISTING  
BASCULE BRIDGE WITH NEW  
WIDER FIXED BRIDGE

## PROPOSED FENDER PLAN AND ELEVATION

ROUTE 9 BRIDGE  
OVER BASS RIVER

IN: BASS RIVER, MP 2.6  
AT: BASS RIVER TOWNSHIP  
COUNTY: BURLINGTON  
APPLICATION BY: N.J. DOT

STATE OF NEW JERSEY  
DEPARTMENT OF TRANSPORTATION  
1035 PARKWAY AVE. P.O. BOX 600  
TRENTON, N.J. 08625

SHEET 5A OF 5 DATE: AUGUST 2001

DATUM: NAVD 1988